

LITTLE COLORADO RIVER BASIN

52

09390500 SHOW LOW CREEK NEAR LAKESIDE, AZ

LOCATION--Lat 34°10'46", long 109°59'14", in SW_{1/4}NW_{1/4} sec. 14, T.9 N., R.22 E., Navajo County, Hydrologic Unit 15020005, on left bank 1 mi upstream from pumping plant on Show Low Lake, 1.9 mi northwest of Lakeside, 2.2 mi upstream from Jacques Dam, and 6 mi southeast of Show Low.

DRAINAGE AREA--68.6 mi².

PERIOD OF RECORD--May 1953 to current year.

REVISED RECORDS--WSP 1513: 1954–56. WSP 1926: Drainage area. WDR AZ-71-1: 1970(M).

GAGE--Water-stage recorder and concrete-dam control with V-notch sharp-crested weir. Elevation of gage is 6,610 ft above sea level, from topographic map.

REMARKS--Records fair except for estimated daily discharges, which are poor. Record shows inflow to Show Low Lake. Flow partly regulated by several small reservoirs, largest of which are Rainbow Lake and Scott Reservoir, combined capacity, 2,400 acre-ft. Diversions for irrigation of about 250 acres above station.

EXTREMES FOR PERIOD OF RECORD--Maximum discharge, 5,550 ft³/s Dec. 18, 1978, gage height, 9.16 ft, from rating curve extended above 2,500 ft³/s; maximum gage height, 9.53 ft Dec. 26, 1971; no flow Oct. 5, 6, Dec. 10–19, 1964, Jan. 4–15, 1970.

EXTREMES FOR CURRENT YEAR--Peak discharges greater than base discharge of 100 ft³/s and (or) maximum (*):

	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
	Feb. 12	2015	*958	*4.89

Minimum daily discharge, 0.13 ft³/s, Dec. 3–4.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.3	0.57	0.16	5.6	25	29	13	3.8	1.5	1.3	1.3	e1.5
2	3.1	0.49	0.15	2.7	19	21	11	3.7	1.3	1.3	1.5	e1.5
3	2.9	0.39	0.13	2.9	15	18	10	3.5	1.1	1.1	2.3	e1.5
4	2.6	0.36	0.13	111	13	16	9.5	3.5	1.1	0.95	3.9	e1.5
5	2.4	0.35	0.15	29	12	17	8.5	3.4	1.4	0.94	3.1	e1.5
6	2.3	0.42	0.20	21	12	33	7.0	3.4	1.1	0.92	2.3	e1.5
7	2.4	0.57	0.25	15	15	49	6.1	3.2	0.93	0.92	2.1	1.3
8	2.4	0.72	0.24	9.9	21	44	e5.5	2.7	0.88	0.86	2.6	1.5
9	2.4	0.62	0.21	15	22	34	e5.0	2.6	0.83	0.73	2.4	1.4
10	2.3	0.29	0.23	28	26	24	e4.5	2.1	0.82	0.72	2.1	4.9
11	2.4	0.18	0.24	42	326	19	e4.0	1.6	0.85	0.74	76	1.9
12	2.5	0.19	0.23	28	717	17	3.8	1.6	0.85	0.80	70	1.5
13	2.5	0.19	0.21	10	293	16	3.6	1.7	0.85	0.98	31	1.5
14	2.4	0.18	0.19	5.8	128	15	3.5	1.6	0.97	1.4	14	1.5
15	2.3	0.18	0.16	4.5	85	15	3.5	1.7	1.6	1.6	29	1.5
16	2.3	0.18	0.14	4.5	61	13	3.5	1.5	1.1	1.7	12	1.6
17	2.1	0.20	0.16	4.4	50	12	3.5	1.2	1.0	2.9	8.7	2.0
18	2.0	0.20	0.17	4.4	45	12	3.3	1.1	0.95	3.8	16	1.8
19	1.9	0.19	0.17	4.4	451	11	2.9	1.1	0.87	4.0	e8.0	1.5
20	2.0	0.17	0.17	6.7	259	11	3.1	1.0	0.85	3.9	e6.0	1.4
21	2.0	0.19	0.15	9.2	152	11	2.5	0.86	0.85	4.0	e5.0	1.4
22	2.9	0.27	0.15	9.3	203	11	1.9	0.80	0.88	4.5	e4.0	1.4
23	2.2	1.0	0.15	10	195	11	1.7	0.78	1.4	4.5	e4.0	1.6
24	2.2	1.2	e0.25	13	93	10	10	0.73	2.0	7.6	e3.0	1.8
25	2.1	0.64	e0.31	20	66	10	8.4	1.0	1.9	6.1	e3.0	1.6
26	2.2	0.41	e0.20	22	56	12	7.8	1.4	1.8	2.3	e2.0	1.5
27	2.6	0.34	e0.20	109	50	12	6.6	1.4	1.6	1.4	e2.0	1.6
28	3.1	0.29	e8.8	99	41	17	6.2	1.8	1.5	0.95	e2.0	1.6
29	2.4	0.24	e138	64	---	19	6.1	2.3	1.3	0.77	e2.0	1.9
30	0.97	0.19	e50	43	---	19	5.6	1.8	1.3	0.72	e2.0	2.0
31	0.63	---	12	34	---	16	---	1.6	---	1.2	e1.5	---
TOTAL	71.80	11.41	213.90	787.3	3451	574	171.6	60.47	35.38	65.60	324.8	50.7
MEAN	2.32	0.38	6.90	25.4	123	18.5	5.72	1.95	1.18	2.12	10.5	1.69
MAX	57.4	54.3	285	200	225	189	197	72.0	13.2	10.8	20.1	18.5
(WY)	1985	1979	1985	1993	1980	1978	1973	1973	1992	1987	1988	1988
MIN	0.63	0.17	0.13	2.7	12	10	1.7	0.73	0.82	0.72	1.3	1.3
AC-FT	142	23	424	1560	6850	1140	340	120	70	130	644	101

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1954 – 2005, BY WATER YEAR (WY)

MEAN	5.56	5.11	19.8	12.9	30.8	41.9	18.0	6.96	5.78	5.43	5.49	4.46
MAX	57.4	54.3	285	200	225	189	197	72.0	13.2	10.8	20.1	18.5
(WY)	1985	1979	1985	1993	1980	1978	1973	1973	1992	1987	1988	1988
MIN	0.58	0.20	0.20	0.10	0.19	0.63	0.80	0.37	0.50	1.07	1.17	0.59
(WY)	2003	2002	1965	1971	1964	2000	2004	2004	1996	2001	2000	

SUMMARY STATISTICS FOR 2004 CALENDAR YEAR FOR 2005 WATER YEAR WATER YEARS 1954 – 2005

ANNUAL TOTAL	855.75	5817.96	
ANNUAL MEAN	2.34	15.9	13.4
HIGHEST ANNUAL MEAN			56.8
LOWEST ANNUAL MEAN			1.19
HIGHEST DAILY MEAN	138	Dec 29	3520
LOWEST DAILY MEAN	0.13	Dec 3	0.00
ANNUAL SEVEN-DAY MINIMUM	0.16	Nov 30	0.00
ANNUAL RUNOFF (AC-FT)	1700	11540	9740
10 PERCENT EXCEEDS	4.3	29	19
50 PERCENT EXCEEDS	0.67	2.3	4.1
90 PERCENT EXCEEDS	0.20	0.24	0.63

e Estimated